

## Year 11 Curriculum Overview

Subject	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
English Language	19th Century non-fiction (interleaved)	Paper 1 language skills (interleaved) Language analysis Structure Critical responses	Transactional writing (interleaved) Non-fiction comparison (interleaved)	Original writing (interleaved) Fiction analysis (interleaved)	Revision and exam skills	
English Literature	A Christmas Carol Poetry Friday (interleaved)	A Christmas Carol Poetry Friday (interleaved)	Revisit – An Inspector Calls Unseen Poetry Friday (interleaved)	Revisit – Romeo and Juliet Unseen Poetry Friday (interleaved)	Revision and exam skills	
Maths	Each year 11 mathematics group has a bespoke curriculum designed to meet the emerging needs of the group. The curriculum plan is updated following each significant assessment.					
Further Maths	Trigonometry Recap Further Trigonometry Coordinate Geometry Recap	Calculus Applications Equations of Straight Lines and Circles Matrix Multiplication	Matrix Multiplication Sketching Functions & Inequalities	Sketching Functions & Inequalities Matrix Transformations	Factor Theorem Revision	
Combined Science	Reproduction Sexual and asexual Crude Oil; Hydrocarbons- naming and drawing alkanes and alkenes, General formulas. Crude oil and it's separation. Cracking, Burning alkanes and their equations. Motion along a straight line, including speed - distance - time relation. Graphs of displacement/distance time, and velocity/speed time, including gradients and areas under graphs. Force & motion. Acceleration and NI, including weight, terminal velocity. Momentum. Forces and braking, along with equations for uniformly accelerated motion, in context of safety on the road. Hooke's Law	Variation and evolution, Genetics and evolution Darwin and natural selection Chemical analysis; Pure substances, mixtures and formulations. The testing of purity. Tests for gases. Waves (RE). Wave characteristics, including longitudinal and transverse waves. Characteristics of waves, including calculation with wave equation. Period. Reflection and refraction as wave characteristics. Sound waves and reflection. The em spectrum, with emphasis on: Non-ionising and ionising sections of the spectrum	Adaptations and interdependence animal and plant adaptations and functions Chemical analysis continued EM waves. Use of em waves in comms, and x-rays in medicine	Organising an ecosystem food chains and energy transfer Earth's atmosphere; the development of our atmosphere; the impact of greenhouse gases and climate change. Human impact. Light and colour. Lenses. Reflection and refraction in detail, with practical emphasis.	Biodiversity and ecosystems Human impact on the environment, pollution and reducing impact Earth's resources; Finite and renewable resources, Potable water and Sewerage treatment. Magnetic fields, and their production by a current. Electromagnetic devices, using the motor effect.	
Biology (Triple Award)	Reproduction, Sexual and asexual (re)	Variation and evolution, Genetics and evolution, Darwin and natural selection (RE)	Adaptations and interdependence, animal and plant adaptations and functions	Organising an ecosystem food chains and energy transfer	Biodiversity and ecosystems Human impact on the environment, pollution and reducing impact (Geog)	
Chemistry (Triple Award)	Crude Oil; Hydrocarbons- naming and drawing alkanes and alkenes. General formulas. Crude oil and it's separation. Cracking, Burning alkanes and their equations. Organic reactions - The structures and reactions of the alkenes, alcohols, carboxylic acid and ester homologous series	Polymers; Addition, Condensation polymers, alongside natural polymers and DNA. Chemical analysis - Pure substances, mixtures and formulations. The testing of purity. Tests for positive and negative ions, Tests for gases. Includes a required practical and a project into identifying an unknown substance	Chemical analysis Using our resources; Rusting, Useful alloys, Polymer, glass, ceramics and their properties, Making ammonia and fertiliser	Using our resources continued (geography)	Revision and exam skills	
Physics (Triple Award)	Motion along a straight line, including speed - distance - time relation. Graphs of displacement/distance time, and velocity/speed time, including gradients and areas under graphs. Analyzing graphs in detail. Force motion. Acceleration and NI, including weight, terminal velocity. Levers and gears. Momentum, along with calculations and conservation of momentum calculations. Forces and braking, along with equations for uniformly accelerated motion, in context of safety on the road. Hooke's Law	Force and pressure, including pressure and are and force relationship, pressure in a liquid, atmospheric pressure, and upthrust and flotation. Wave characteristics, including longitudinal and transverse waves. Characteristics of waves, including calculation with wave equation. Period. Reflection and refraction as wave characteristics. Sound waves, including ultrasound.	Mechanical waves and seismic waves. The em spectrum, with emphasis on: Non-ionising and ionising sections of the spectrum. Use of em waves in comms, and x-rays in medicine	Light and colour. Lenses. Reflection and refraction in detail, with practical emphasis. Using lenses, with lens diagrams for convex and concave lenses. Magnetic fields, and their production by a current. Electromagnetic devices, using the motor effect and the generator effect. Transformers and the use thereof	Space. Formation of Solar System, with bodies in Solar System. Life cycle of a star. Planets, satellites and orbits. Universal expansion, and the possible fate, and origin, of the Universe	
GCSE PE	Sports Psychology Cardiovascular and Respiratory systems	Health and Well Being Effects of Exercise	Health and Well Being Injury Prevention	Revision		
Sports Studies	Completion of R186: Sport and the media	R184: Contemporary issues in sport Topic area 1: Issues which affect participation in Sport	R184: Contemporary issues in sport Topic area 2: The role of sport in promoting values	R184: Topic area 3: Implications of hosting a sporting event Topic area 4: Role of NGB's	R184: Use of technology in sport	
Geography	Resource Management - Energy The Economic World	The Economic World	Ecosystems - Deserts and rainforests Field work skills	Pre Release Field work skills	Revision Exam skills	
History	NHS and 20th Century medicine - Anglo-Saxon Britain and the contenders for the throne in 1066 - Students cover the impact of the NHS upon medicine in Britain and examine technological developments through to the present day. Students also look at Anglo-Saxon society and the government system which existed at the time, including the contenders to the English throne.	Norman England - Invasion and conquest - Students explore the events of 1066 and the cultural, political and ecclesiastical impact of the Norman Conquest.	Norman England - The Norman Church - American Expansion and Consolidation	CT in Asia - Korea to Vietnam	Revision and exam skills	
RE	Component 2: Theme F- Religion, Human rights and social justice.	Component 1: Beliefs, teachings - Islam	Component 1: Beliefs, teachings - Islam	Revision 12 revision lessons on the different topics	Revision 12 revision lessons on the different topics	
Design and Technology	3.1.1 New and emerging technologies, robotics and automation. Recap of this due to it being taught end of year 10. NEA should be at end of research and beginning of designing A02	3.1.4 Systems approach to designing. 3.1.1 New and emerging technologies 3.2.3 Ecological and social footprint - Systems approach to designing, recap over new and emerging technologies industry, Enterprise, People, Culture, Society, Environment, Production techniques and systems, Ecological and social footprint - NEA should be at end of designing and start production info such as cutting list A02	3.2 Specialist technical principles 3.2.4 Sources and origins, 3.2.6 Stock forms, 3.2.7 Scales of production - NEA should be at Making stage. A02	3.1 Core Technical Principles and 3.2 Specialist Technical Principles - NEA should be completing making and start evaluation. A03	3.2.8 Production Aids, QA, Tolerance, Tools and processes. This is to go along side the teaching of the NEA practical and completion. A03	3.2.1 & 3.2.6 Selection of materials or components, calculating material cost, waste, volume, surface areas, pattern spacing/fitting. Also to include Calculations and equations. NEA to be assessed.
French	Talking about the environment. (links to Y9 Geography) Talk about what I can do to protect the environment. Talking about local and global social issues. Talking about volunteering. Practising listening and reading skills.	Discussing healthy and unhealthy living/lifestyles. (links to Y10-11 Health and Social) Talking about health issues and solutions. Talking about career choices. Talking about future plans. Talking about hopes and wishes. Talking about what you do to earn money. Using three time frames. Understanding extended texts.	Revision and exam skills, reviewing all topics covered across Y10 + 11.	Revision and exam skills, all skills covered but with a focus on speaking.	Revision and exam skills in preparation for summer exams (focus on Reading, Listening and Writing.)	
BTEC Business	Component 3A: The promotional mix (Marketing), types of market, market segmentation, factors influencing the choice of promotion.	Component 3B: Financial Records, methods of payment, Sources of revenue/costs, Statement of Comprehensive Income/Statement of financial position, ratios.	Component 3C: Cash flow forecasts, Cash flow problems, solving Cash flow, Break even, break even charts, benefits and limitations of break even, financing an enterprise, sources of finance.	Component 2C: Review own pitch for a micro enterprise activity.		
BTEC Health & Social Care	Component 3A: Factors affecting health and wellbeing	Component 3B: Interpreting health indicators	Component 3C: Person-centred health and well-being improvement plans	Component 2B: Demonstrate care values and review own practice.		
BTEC IT	Component 3 Learning Aim A Modern Technologies and their impact on Organizations, Learning Aim B Threats to Digital systems and how organizations can manage them	Component 3 Learning Aim C Responsible, legal and ethical use of data, Learning Aim D Planning and communication in digital systems	Revision for all of Component 3, Recovering all learning Aims	Component 2 Learning Aim B Creating a Dashboard using Data manipulation tools	Component 2 Learning Aim C Draw Conclusions and review data presentation methods	
BTEC Art & Design	Component 2 Learning Aim B Record and communicate skills development	Component 2 Learning Aim B Record and communicate skills development	Component 3 Externally set synoptic	Component 3 Externally set synoptic		
BTEC Performing Arts	Component 3 - Performing to a Brief (Mock)	Component 3 - Performing to a Brief (Mock)	Component 3 - Performing to a Brief. Externally set	Component 3 - Performing to a Brief	Component 3 - Performing to a Brief	
BTEC Music	Component 3: Responding to a commercial music brief MOCK	Component 3: Responding to a commercial music brief MOCK	Component 3: Responding to a commercial music: brief	Component 3: Responding to a commercial music: brief	Component 3: Responding to a commercial music: brief	